

***Computational Systems Biology
to Accelerate Research
in Complex Disease: Prostate Cancer and Diabetes***
**The National Center for Integrative Biomedical Informatics
(NCIBI)**

***NCBC Dissemination Event
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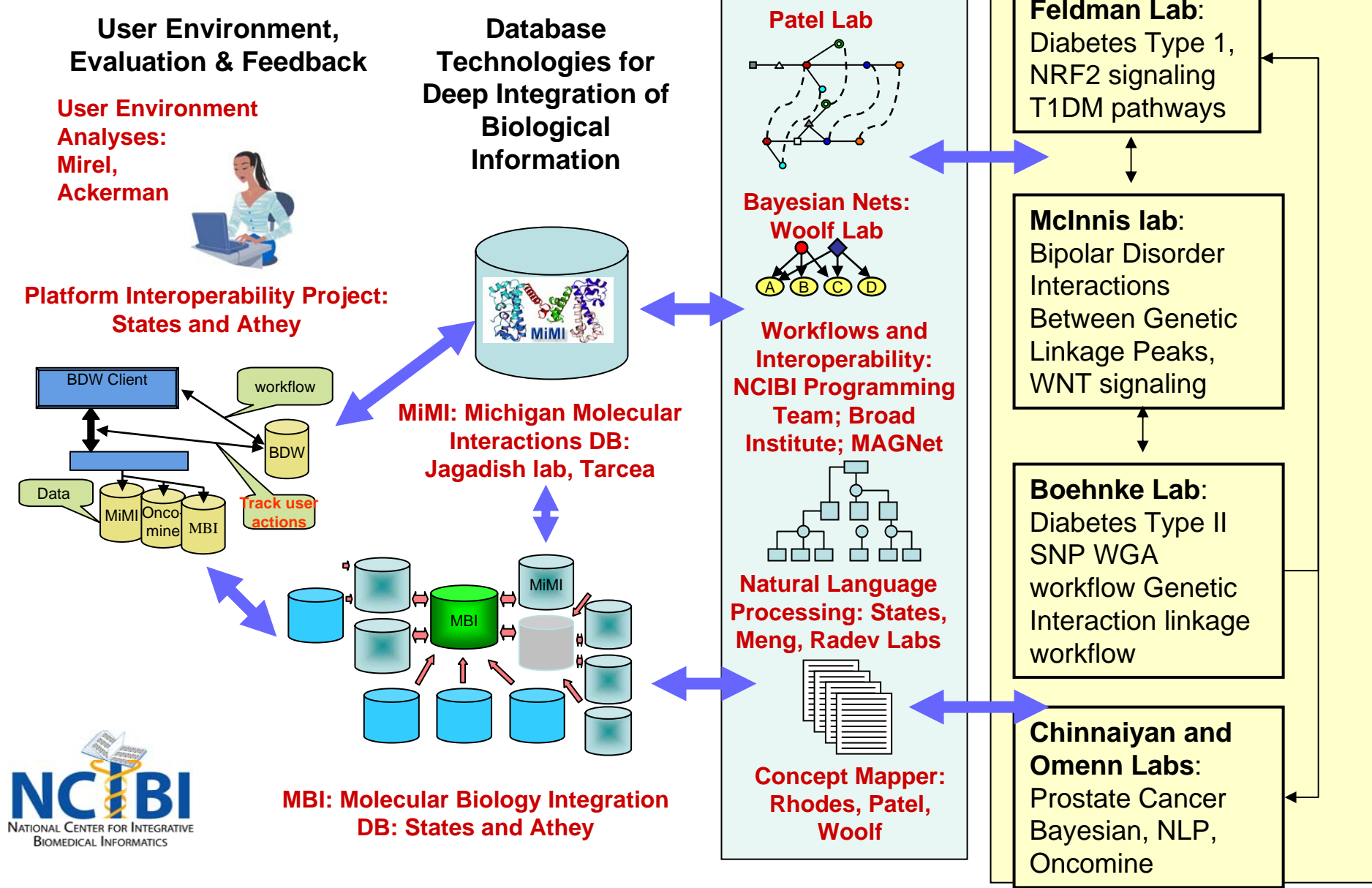
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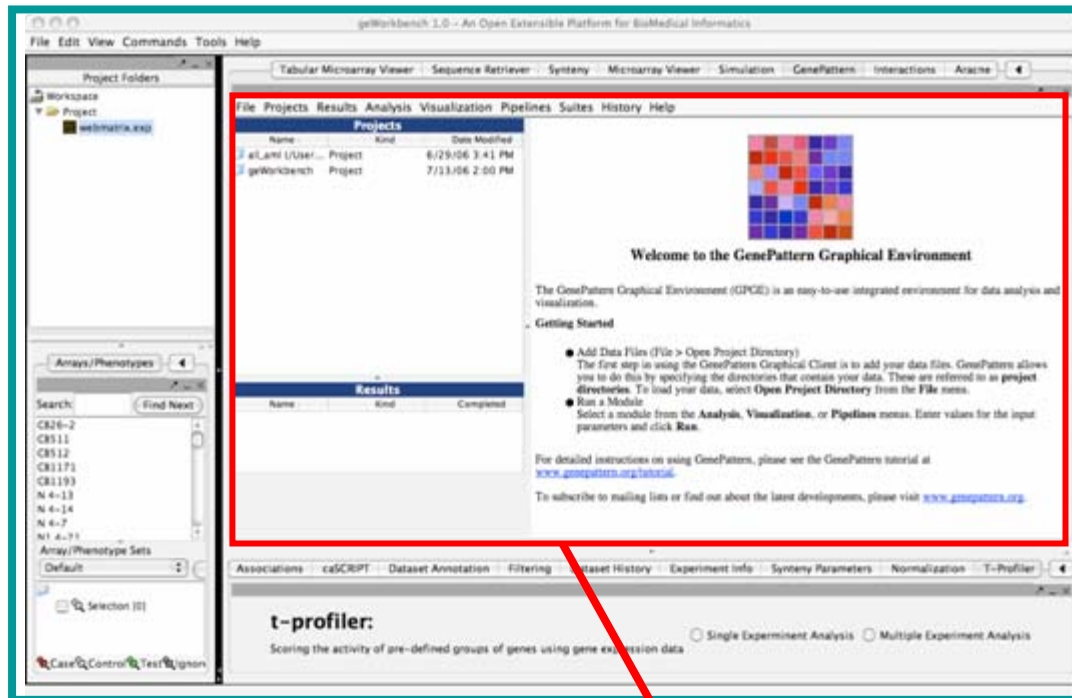
Outline and Goals

- Introduction to NCIBI personnel, tools, data, and knowledge bases
 - NCIBI subcontractors: Jill Mesirov (MIT/Broad) and Robert Murphy (Carnegie Mellon University)
- Demonstrate how Integrative Biomedical Informatics can accelerate research with late breaking examples from two NCIBI DBPs: Prostate Cancer and Diabetes T1 Complications
- Stimulate Collaborative R01 and R21 Interest with NCIBI as partner
- Build bridges with other NCBCs and NIH communities (including Intramural research programs)
- Explore novel integrative computational methods and new possibilities for cutting edge biomedical research

Granular Overview of NCIBI Activities Underway: Cores 1-3



Future Goal: NCIBI adoption of geWorkbench and GenePattern



geWorkbench application

GenePattern UI plug-in

Execute GenePattern modules from within geWorkbench



GenePattern module repository

geWorkbench modules

Wrap geWorkbench modules as GenePattern tasks